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Under the Pa k Reduction 9 TRADES Complete if Known Substitute for form 1449A/PTO 10/720,035 Application Number INFORMATION DISCLOSURE 11/21/2003 Filing Date First Named Inventor Juergens, Tristan Dieter STATEMENT BY APPLICANT Art Unit Unknown **Examiner Name** Unknown of 2 Attorney Docket Number 35811-00001 Sheet 1

			U.S. PATENT	DOCUMENTS	•
Examiner Initials	Cite No.1	Document Number Number - Kind Cade ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
NUL	1	US-3,934,162	01-20-1976	Adler, et al.	
0,0	2	US-3,939,366	02-17-1976	Ato, et al.	
\sqrt{Z}	3	US-4,084,044	04-11-1978	Heller, et al.	
1/1	4	US-4,127,449	11-28-1978	Heller, et al.	<u> </u>
KUL	5	US-4,835,433	05-30-1989	Brown, Paul M.	
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				First Named Inventor	Juergens, Tristan Dieter		
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	NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite _i No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
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	STATEMENT BY APP	LIC	ANI	First Named Inventor	Tsang et al.	
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	U.S. PATENT DOCUMENTS						
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OUZY-	7	US-5,087,533 A	02-11-1992	Brown			
	8	US-6,118,204 A	09-12-2000	Brown			
7111	9_	-US-6,238,812 B1	05-29-2001	Brown et al.			
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All	10	http://www.rexresearch.com/nucell/nucell.htm, web pages provided through the web site http://www.rexresearch.com, various dates: 1980's, 03/05/1987, May/June 1990, 01/18/1990, 08/4-9/1991, 11/17/1989, 05/30/1989, printed out and attached as pages 1-31.	
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Art Unit (Use as many sheets as necessary) Examiner Name

Daniel L. Greene, Jr. 35811_00001 Attorney Docket Number Sheet

	U.S. PATENT DOCUMENTS						
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STATEMENT BY APPLICANT	Application Number	10/720,035		
(Use as many sheets as necessary)	Filing Date	November 21, 2003		
	First Named Inventor	Tsang, Francis		
	Group Art Unit	3663		
	Examiner Name	Unknown		
Sheet 1 of 4	Attorney Docket No: 2408.001US1			

	US PATENT DOCUMENTS					
Examiner initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate		
Ial/	US-4,212,179	07/15/1980	Juergens, Tristan D.	10/12/1978		
	US-4,259,419	03/31/1981	Uba, Toshio, et al.	08/17/1979		
	US-4,493,221	01/15/1985	Stieg, Richard f., et al.	01/12/1983		
	US-4,521,498	06/04/1985	Juergens, Tristan	07/22/1982		
	US-4,592,972	06/03/1986	Juergens, Tristan, et al.	07/22/1983		
	US-4,606,982	08/19/1986	Nelson, Robert F., et al.	05/09/1985		
	US-5,045,086	09/03/1991	Juergens, Tristan	09/27/1989		
	US-5,047,300	09/10/1991	Juergens, Tristan	06/14/1989		
	US-5,198,313/	03/30/1993	Juergens, Tristan	09/10/1991		
[7	US-5,677,078	10/14/1997	Juergens, Tristan, et al.	09/27/1995 ·		
1	US-5,895,728	04/20/1999	.Walker, Thomas P., et al.	01/15/1997		
MU	US-6,004,689	12/21/1999	Walker, Thomas P., et al.	12/07/1998		

TO	THER DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
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•	"4-pocket Electron Bean Evaporator", e-flux4, tec tra, 5 Pages	
	"Annealing (Metallurgy)", Wikipedia,	
	http://en.wikipedia.org/wiki/Annealing %28metallurgy%29, 1 Page	
	"Carbon Coaters, Sputter Coaters and Turbo Sputter Coaters", Electron	
	Microscopy Scienes,	
i	http://www.emsdiasum.com/microscopy/products/equipment/carbon_coaters.aspx,	ļ
	8 Pages	
	"E-beam Evaporator", Brigham Young University, Department of Electrical &	
	Computer Engineering, http://www.ee.byu.edu/cleanroom/ebeam.phtml, (Observed	
	11/7/06), 2 Pages	
	"E-beam Evaporators", Oxford Scientific,	
	http://www.oxsci.com/pages/products/evaporators/index.htm, (Obersved 11/7/06), 5	•
ļ		
	Sputtering Equipment, http://www.emitech.co.uk/sputtering-coating.htm, 3 Pages	
	"Rototherm - Thin Flim Evaporator", Artisan Industries, Inc.,	·
- (
	Document No. TB-Sputter, 13 Pages	
- 1		
	ALLGAIER, R. S., "Interpretation of transport Measurements in Electronically	
j		
ノー	244/	
	Cite	magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. "4-pocket Electron Bean Evaporator", e-flux4, tec tra, 5 Pages "Annealing (Metallurgy)", Wikipedia, http://en.wikipedia.org/wiki/Annealing %28metallurgy%29, 1 Page "Carbon Coaters, Sputter Coaters and Turbo Sputter Coaters", Electron Microscopy Scienes, http://www.emsdiasum.com/microscopy/products/equipment/carbon coaters.aspx, 8 Pages "E-beam Evaporator", Brigham Young University, Department of Electrical & Computer Englneering, http://www.ee.byu.edu/cleanroom/ebeam.phtml, (Observed 11/7/06), 2 Pages "E-beam Evaporators", Oxford Scientific, http://www.oxsci.com/pages/products/evaporators/index.htm, (Obersved 11/7/06), 5 Pages "Laboratory Sputter Coating Equipment", Thin Film Coating, Deposition & Sputtering Equipment, http://www.emitech.co.uk/sputtering-coating.htm, 3 Pages "Rototherm - Thin Film Evaporator", Artisan Industries, Inc., http://www.artisanind.com/chemical/rototherm.htm, (Observed 11/7/06), 2 Pages "Sputter Coating Technical Brief", Quorum Technologies, Polaron, Issue 1, Document No. TB-Sputter, 13 Pages "Sputter-Coater high vaccuum coating system for thin film deposition", http://www.tectra.de/spuco.htm, (Observed 11/7/06), 5 Pages ALLGAIER, R. S., "Interpretation of transport Measurements in Electronically Condycting Liquids", Physical Review, Vol. 185, No. 1, (September 5, 1969), 227-

EXAMINER: Initial if reprence considered, whether of not clistion is in conformance with NPPF 00P. Draw line through cliston if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant is unique citation of not incompany applicant in the present of t

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheels as necessary)	Application Number	10/720,035		
	Filing Date	November 21, 2003		
	First Named Inventor	Tsang, Francis		
	Group Art Unit	3663		
	Examiner Name	Unknown		
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12/1/	BRILLSON, LEONARD J., "Contacts to Semiconductors", Contacts to	
VIII	Semiconductors, Fundamentals and Technology, Xerox Corporation, Noves	ł
1	Publications, New Jersey, (1993)	<u> </u>
/ \	BULLOCK, ALAN, et al., "The Harper Dictionary of Modern Thought,", The Harper	
	Dictionary of Modern Thought, Harper & Row, New York, (1977), Page 25	
	CONSIDINE, GLENN D., Encyclopedia of Chemistry, Fifth Edition, Van Nostrand's,	
	John Wiley & Sons, Inc., (2005)	
	CUTLER, MELVIN, "Experimental Methods", Chapter 4, Liquid Semiconductors,	
	Academic Press Inc., (1977), 7 Pages	
	FARRELL, MARTIN V., et al., "Coupling of Buoyant Convections in Boron Oxide	
	and a Molten Semiconductor in a Ventical Magnetic Field", <u>Journal of Heat Transfer</u> ,	
	Vol. 124, (August 2002), 643-649	
	GEARHART, STEVEN S., et al., "A Monolithic 250 GHz Schottky-Diode Receiver",	
	IEEE Transactions on Microwave Theory and Techniques, Vol. 42, No. 12,	
	(December 1994), 2504-2511	ļ
	GHOSH, P. K., et al., "Electronic transport in Liquid and solid sulphur", <u>J. Phys. C</u>	·
	(Proc. Phys. Soc.), Series 2, Vol. 1, (1968), 1347-1358	
	GLAZOV, VASILII M., et al., "Liquid Semiconductors", Liquid Semiconductors,	
	Plenum Press, New York, (1969), GOBRECHT, H., et al., "Electrical properties of liquid selenium up to 1300K", J.	
	Phys. C: Soild St. Phys., Vol. 4, (1971), 2247-2253	
	GRAY, H. J., et al., "A New Dictionary of Physics", A New Dictionary of Physics,	
	Second Edition, Longman London, (1975), Page 23	
	GREACEN, CHRIS, "How Photovoltaics Cells Work", Photovoltaics, Home Power #	
	23, (June -July 1991), 37-39	
 - - - - - 	GREENWOOD, N. N., et al., "Chemistry of the Elements", Chemistry of the	·
	Elements, Pergamon Press, New York, (1984), Page 1121	
	HARRELL, WILLIAM R., "Aluminum schottky contacts to n-type 4H-SiC", Look	
	Smart, http://findarticles.com/p/articles/mi_ga3776/is_200210/ai_n9137011,	
1	(October 2002), 4 pages	
	HARTKE, J. L., et al., "Electronic States in Vitreous Selenium", Physical Review,	
	Vol. 139, No. 3A, (8/2/1965), A970-A980	
	HOSOKAWA, SHINYA, et al., "Electronic Properties of Liquid Selenium Containing	
1,1	Alkali and Halogen Impurities", Journal of the Physical Society of Japan, Vol. 54,	
	No. 12, (December 1985), 4717-4725	
. 7	IOFFE, A. F., et al., *Non-Crystalline, Amorphous, and Liquid Electronic	
V)	Semiconductors", Progress in Semiconductors, Vol. 4, (1960), 239-291	
WII	JAMALI, BEHNAM, et al., "Design and optimisation of Schottky diodes in CMOS	
1/1///	technology with application to passive RFID systems", School of Electrical and	
1	Electronics Engineering, University of Adelaide, S.A. 5005, Australlia, 9 Pages	

EXAMINER	/5	1) (1	DATE CONSIDERED	3	/18	<u> /</u>	27
EXAMINER: Initial if referen				mance with MPEP 6		im (PTO-1449) station if not in conformance and not considered. Include co		n with next con	municatio	n to

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Sheet 3 of 4	Attorney Docket No: 2	2408.001US1			
STATEMENT BY APPLICANT (Use as many sheets as necessary)	Examiner Name	Unknown			
	Group Art Unit	3663			
	First Named Inventor	November 21, 2003 Tsang, Francis			
	Filing Date				
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MI		KNOLL, GLENN F., "Radiation Detection and Measurement", Radiation Detection	
YXXX	1	and Measurement, Third Edition, John Wiley & Sons, Inc., New York, (2000)	
		KOSLOWSKI, THORSTEN, et al., "Modified small-world networks as models of	
	ļ	liquid and amorphous selenium", Physical Review B, Vol. 66 (064205), (2002), 7	
	1	Pages	
		KRESSE, G., et al., "Defects in liquid selenium", Physical Review B, Vol. 59, No. 5,	
		(1998), 3501-3513	
		LEE, CHING-TING, "Performance characterization of InGaP Schottky contact with	
		ITO transparent electrodes", Look Smart,	
		http://www.findarticles.com/p/articles/mi_qa3776/is_199809/ai_n8812313,	
		(September 1998), 5 Pages	
		LI, QIANG, et al., "Fabrication and Modeling of Schottky Diode: Integrated in	
	į	standard CMOS process", State Key Lab of ASIC & System, Fudan University,	
		Shang Hai 200433, 8 Pages	
1		LI, MEICHENG, et al., "The Dependence of Electrical Characterization on Interface	
		Structure of PtSi/strained-Si1-x-Gex/Si Schottky Diodes", Advanced Nanomaterials	
		and Nanodevices, Eight International conference on electonic materials, China,	
		(June 2002), 278-289	
		MERRETT, J. N., "Fabrication of self-aligned graded junction termination	
		extensions with applications to 4H-SiC P-N diodes", Look Smart,	
		http://www.findartilcles.com/p/articles/mi_ga3776/is_200206ai_n9123173, (June	
ļ		2002), 5 Pages	
		MIZOBUCHI, YUZO, et al., "Photogeneration of Charge Carriers in a-sulfur",	
		Journal of the Physical Society of Japan, Vol. 31, No. 1, (July 1971), 155-163	
		MONCH, W., "Semiconductor Surfaces and Interfaces", Semiconductor Surfaces	
		and Interfaces, Third Edition, Springer, (2001)	
		MOTT, N. F., et al., "States in the gap and recombination in amorphous	
		semiconductors", Philosophical Magazine, Vol. 32, (1975), 961-996	
		PING, A. T., "Characterization of reactive ion etching-induced damage to n-GaN	
		surfaces using Schottky diodes", Look Smart,	
		http://www.findarticles.com/p/articles/mi_qa3776/is_199703/ai_n8756708, (May	
		1997), 5 Pages	
		QUEHEILLALT, DOUGLAS T., et al., "Laser ultrasonic sensing of the melting and soildification of cadmium telluride", Journal of Crystal Growth, Vol. 225, (2001), 34-	
		solidification of cadmium tellunde , <u>Journal of Crystal Growth, Vol. 225,</u> (2001), 34-	
	 	RATAKONDA, D., "Ohmic contacts formation of Silicon Schottky Diodes by Screen	
/]]	Printing and Rapid Isothermal Processing", Look Smart,	
. /		http://www.findarticles.com/P/articles/mi_qa3776/is_199805/ai_n8797486, (May	
		1998), 3 Pages	
ATA	 	REGEL, A. R., et al., "Thermal Conductivity of Salt, Metal and Semiconducting	
124/1		Me/fs", Phys. stat. solidi, Vol. 5., (1971); 13-57	
//		- 11 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

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1///		RHINES, FREDERICK N., "Phase Diagrams in Metallurgy, Their Development and	
1 <i>MU1</i> 1		Application", Phase Diagrams in Metallurgy, Their Development and Application,	}
WW C		McGraw-Hill book company, New York, (1956), Page 29	
		RHODERICK, E. H., "Metal-Semiconductor Contacts", Metal-Semiconductor	
. [Contacts, Second Edition, Clarendon Press, Oxford, (1988), 224-229	
		ROSSNAGEL, S. M., "Sputter deposition for semiconductor manufacturing", IBM	
		Journal of Research and Development, Vol. 43, 1/2,	
		http://www.research.ibm.com/journal/rd/431/rossnagel.html, (1999), 14 Pages	l
		SADOVSKII, M. V., "A model of a disordered system (A contribution to the theory of	
		"liquid semiconductors")", Sov. Phys JETP, Vol. 39, No. 5, (November 1974), 845-	1
		850	
	•	SCHMITZ, A. C., "Metal contacts to n-type GaN", Look Smart,	
		http://www.findarticles.com/p/articles/mi_qa3776/is_199804/ai_n8797623, (April	
		1998), 3 Pages	
		SZE, S. M., "Metal-Semiconductor Contacts", Physics of Semiconductor Devices,	
		Second Edition, New York, John Wiley & Sons, Chapter 5, (1981), 245-311 and	
		820-825	
		TAI, H., et al., "Comparison of Stopping Power and Range Databases for Rediation	
		Transport Study", National Aeronautics and Space Administration, Virginia, NASA	
		Technical Paper 3644, (October 1997)	
		VAN OVERSTRAETEN, R. J., et al., "Physics, Technology and Use of	
		Photovoltaics", Physics, Technology and Use of Photovoltaics, Adam Hilger Ltd.	
		Bristol, England, (1986)	
		WANG, X. J., "Electrical characteristics of high performance Au/n-GaN Schottky	
		diodes", Look Smart,	
		http://www.findarticles.com/p/articles/mi_qa3776/is_199811/ai_n8824638,	
		(November 1998), 5 Pages	
		WOOLLAM, JOHN A., et al., "Photoconductive and Optical Properties of	
	/ 1	Amorphous Selenium*, NASA Technical Note, D-6500, National Aeronautics and	
1/1	'	Space Adminstration, Washington D.C., (September 1971)	
17/1//		ZINGARO, RALPH A., et al., "Selenium", Selenium, Van Nostrand Reinhold	
MU U		-Company, New York, (1977)	

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all	ENDERBY, J. E., "Liquid semiconductors", Rep. Prog. Phys., 53, (1990), 85-179	Ļ